

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 6246 | 606/39,46,47,127,128,167,170,129,159.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/26<br>13:37 |
| L2    | 6593 | (lumen) and guidewire and (taper\$3 same (tip distal))   | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2009/08/26<br>13:38 |
| L3    | 296  | l2 and l1  | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2009/08/26<br>13:38 |
| L4    | 39   | ("3050066"   "3459175"   "3774596"   "4141364"  <br>"4261339"   "4276874"   "4346698"   "4406656"  <br>"4576142"   "4655745"   "4681092"   "4762130"  <br>"4771776"   "4820349"   "4941877"   "4952357"  <br>"5087246"   "5147302"   "5350361"   "5456666"  <br>"5458572"   "5672169"   "5759172"   "5792172"  <br>"5836965").PN. OR ("6296655").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2009/08/26<br>13:38 |
| L5    | 3456 | 606/108,181,185.ccls.  | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2009/08/26<br>13:38 |
| L6    | 320  | L5 and (lumen) and guidewire and (taper\$3 same (tip distal))  | US-PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2009/08/26<br>13:38 |
| L7    | 2844 | 604/525,264.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/26<br>13:39 |

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| L8  | 260  | l2 and l7   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/08/26<br>13:39 |
| L9  | 29   | ((STEVEN) near2 (JACQUES)).INV.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/08/26<br>13:39 |
| L10 | 29   | ((STEVEN) near2 (JACQUES)).INV.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/08/26<br>13:39 |
| L11 | 3800 | 606/41.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/26<br>13:40 |
| L12 | 309  | L11 and taper and cut\$3 and lumens   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/26<br>13:40 |
| L13 | 2493 | catheter same (tapered with tip)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/26<br>13:40 |
| L14 | 1153 | l2 and l13  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/08/26<br>13:41 |
| S1  | 48   | ("20030208219"   "4474174"   "4485812"   "4641654"  <br>"4724836"   "5024617"   "5271410"   "5318530"  <br>"5383852"   "5397302"   "5437637"   "5464394"  <br>"5547469"   "5562619"   "5599299"   "5601582"  <br>"5643199"   "5662620"   "5683362"   "5715817"  <br>"5788681"   "5810807"   "5843028"   "5868698"  <br>"5954745"   "5984920"   "6017339").PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/16<br>08:32 |

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| S2  | 2       | ("5383852").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/16<br>08:32 |
| S6  | 55      | catheter and (insulat\$3 with material) and (pull same mandrel) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/16<br>08:36 |
| S10 | 2638489 | WO "200189624"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/16<br>08:45 |
| S11 | 2       | ("200189624").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/16<br>08:45 |
| S12 | 2       | catheter and papila or papilotome                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/16<br>08:52 |
| S13 | 2       | catheter and papila or papilotome or autotome                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/16<br>08:53 |

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| S14 | 27   | catheter and papila or papillary or papilotome or papilatome or autotome | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/16<br>09:09 |
| S15 | 1    | "WO 200189624"   | EPO; JPO;<br>DERWENT;<br>IBM_TDB                                  | OR | ON  | 2006/07/16<br>08:56 |
| S16 | 4    | ((("6827718") or ("6676659")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/16<br>09:10 |
| S18 | 1904 | catheter same (tapered with tip)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/16<br>09:11 |
| S19 | 1    | catheter same (tapered with tip) and bilary                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/07/16<br>09:13 |
| S20 | 2    | ("5397302").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/16<br>09:13 |

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| S21 | 49   | ("4592341"   "4601713"   "4671291"   "4722344"   "4781677"   "4807626"   "4893621"   "4898591"   "4917667"   "4955377"   "5084054"   "5108416"   "5154725"   "5167239"   "5167623"   "5242428").PN. OR ("5397302").URPN. | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>09:21 |
| S23 | 158  | (biliary with catheter) and manufactur\$3 and heating  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>09:27 |
| S25 | 7    | (biliary with catheter) and manufactur\$3 and heating and (shrink with tubing)   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>09:27 |
| S26 | 7    | (biliary with catheter) and manufactur\$3 and (heating or (hot with die)) and (shrink with tubing)   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>09:27 |
| S27 | 151  | (biliary with catheter) and manufactur\$3 and heating not S26  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>09:28 |
| S29 | 65   | ("0669910"   "2930377"   "3448739"   "3634924").PN. OR ("3746003").URPN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>10:07 |
| S30 | 59   | ((heat with shrink) same insulat\$3) and die and catheter and heat\$3  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>10:13 |
| S31 | 56   | ((heat with shrink) same process) and die and catheter and heat\$3   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>10:21 |
| S32 | 1345 | 264/294.ccls.  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>10:22 |
| S33 | 3887 | die and heat and clamp and pull  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>10:21 |
| S34 | 5    | S33 and S32  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>10:21 |
| S35 | 981  | catheter and (multi with lumen) and taper\$2 and tip   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2006/07/16<br>10:23 |
| S36 | 989  | catheter and (multi with lumen) and taper\$2 and tip   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2006/07/16<br>10:23 |

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| S37 | 35    | S36 and S33  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT                | OR | ON | 2006/07/16<br>10:23 |
| S38 | 62    | catheter and (necking with process)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>10:46 |
| S39 | 85465 | catheter and (taper with lenght with millimeter or mm or inches or in)                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>10:49 |
| S40 | 22361 | catheter and ((taper with lenght with millimeter or mm or inches or in) same ("2" with "5")) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:10 |
| S41 | 2     | "US 20030078473"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                          | OR | ON | 2006/07/17<br>11:07 |
| S42 | 2     | ("5275610").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:09 |

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| S43 | 9575   | catheter and ((taper with lenght with millimeter or mm) same ("2" with "5"))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:11 |
| S44 | 22147  | catheter and (((tip or distal) with taper with lenght with millimeter or mm or inche or in) same ("2" with "5"))                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:11 |
| S45 | 9575   | catheter and (((tip or distal) with taper with lenght with millimeter or mm) same ("2" with "5"))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:14 |
| S47 | 170548 | "623"/\$.ccls. or "623"/\$.ccls. or "604"/\$.ccls. or "600"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:13 |
| S49 | 483    | catheter and (((tip or distal) with taper with lenght with millimeter or mm) same ("2" with "5")) and ((multiple with lumen) or (multi with lumen)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:28 |
| S50 | 283    | S49 and S47   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:15 |

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| S51 | 483 | catheter and ((tip with taper with lenght with millimeter or mm) same ("2" with "5")) and ((multiple with lumen) or (multi with lumen)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:29 |
| S52 | 283 | S51 and S47   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:29 |
| S53 | 0   | S51 and S47 not S50   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/17<br>11:29 |
| S54 | 2   | "US 20030078473"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                          | OR | ON | 2006/10/16<br>17:38 |
| S55 | 2   | "20020095146"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/17<br>07:57 |
| S56 | 1   | PCT/US01/03621  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:43 |



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| S57 | 9  | catheter same skive same wire same hole  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:44 |
| S58 | 0  | catheter same (skive with hole) same wire and ((making or manufacturing) same (skive with hole)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:45 |
| S59 | 0  | catheter same wire and ((making or manufacturing) same (skive with hole))                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:49 |
| S60 | 25 | ((making or manufacturing) same catheter) and (skive with hole)                                  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:51 |
| S61 | 18 | (catheter) same(skive with hole)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:51 |
| S62 | 18 | (catheter) same (skive with hole)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:52 |

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| S66 | 837 | (rapid with exchange with catheter) and ((skive same hole) same manufacturing or making)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:53 |
| S67 | 837 | (rapid with exchange with catheter) and ((skive with hole) same manufacturing or making)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:53 |
| S68 | 821 | (rapid with exchange with catheter) and ((skive with hole) same manufacturing or making) and (wire or mandrels)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:53 |
| S69 | 343 | (rapid with exchange with catheter) and ((skive with hole) same manufacturing or making) and (mandrels)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09<br>16:54 |
| S70 | 32  | ("1539831"   "3108593"   "3955578"   "4228802"  <br>"4262676"   "4627837"   "4696668"   "4705041"  <br>"4781677"   "5024617"   "5035696"   "5066295"  <br>"5152772"   "5176702"   "5201732"   "5423844"  <br>"5439006"   "5547469"   "5549367"   "5599300"  <br>"5609601"   "5662647"   "5683362"   "5810807"  <br>"5868698"   "6001114"   "6015381"   "6235026"  <br>"6533782").PN. OR ("6676659").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/05/21<br>07:48 |
| S71 | 84  | (sphincterotome) and ((diameter OD) same (mm millimeter inch french))   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/05/21<br>13:49 |

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| S72 | 2  | ("6562021").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/21<br>13:49 |
| S73 | 2  | ("4588398").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/15<br>15:00 |
| S74 | 87 | ("3598119"   "3720210"   "3759788"   "4306563"  <br>"4317445"   "4381008"   "4392848").PN. OR<br>("4588398").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/02/15<br>15:01 |
| S75 | 87 | ("3598119"   "3720210"   "3759788"   "4306563"  <br>"4317445"   "4381008"   "4392848").PN. OR<br>("4588398").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/02/17<br>06:30 |
| S76 | 93 | ("0561059"   "1248492"   "3225762"   "3352306"  <br>"3454006"   "3463152"   "3630195"   "3834380"  <br>"4194504"   "4249541"   "4270835"   "4327722"  <br>"4353369"   "4392856"   "4431426"   "4439583"  <br>"4525157"   "4529399"   "4549879"   "4559046"  <br>"4588398"   "4627841"   "4668225"   "4671795"  <br>"4671796"   "4680029"   "4690675"   "4701166"  <br>"4728322"   "4769016"   "4770655"   "4772264"  <br>"4772276"   "4773901"   "4798597"   "4828549"  <br>"4846799"   "4846812"   "4863432"   "4887998"  <br>"4895564"   "4898591"   "4911691"   "4917671"  <br>"4927415"   "4944728"   "4950252"   "4955863"  <br>"4976704"   "4986814"   "4994046"   "4998919"  <br>"5002533"   "5026353"   "5034005"   "5037402"  <br>"5047018"   "5112312"   "5120317"   "5135502"  <br>"5147332"   "5205829"   "5273540"   "5401257"  <br>"5423764").PN. OR ("5533988").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/02/17<br>06:41 |
| S77 | 5  | ("20020095146"   "3634924"   "5797869"   "5919164"  <br>"6017339").PN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/02/17<br>07:09 |

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| S78 | 229 | ("0550238"   "1696018"   "1922084"   "2173527"  <br>"2175726"   "2230218"   "2409343"   "2473742"  <br>"2561569"   "2564977"   "2590895"   "2819718"  <br>"2936761"   "3042045"   "3055361"   "3064653"  <br>"3174890"   "3322590"   "3324854"   "3331371"  <br>"3359974"   "3370587"   "3394705"   "3411506"  <br>"3437088"   "3448739"   "3452756"   "3467180"  <br>"3469579"   "3528869"   "3593713"   "3625793"  <br>"3634924"   "3720210"   "3726281"   "3746003"  <br>"3746033"   "3771527"   "3804097"   "3805794"  <br>"3817389"   "3848602"   "3885567"   "3888249"  <br>"3976529"   "3983203"   "3995623"   "4003665"  <br>"4004588"   "4016879"   "4027668"   "4037599"  <br>"4050667"   "4057065"   "4063980"   "4072146"  <br>"4072153"   "4098275"   "4099528"   "4100246"  <br>"4134402"   "4168703"   "4171943"   "4178936"  <br>"4180068"   "4180076"   "4198984"   "4202332"  <br>"4203436"   "4210479"   "4214593"   "4217895"  <br>"4248224"   "4251305"   "4268338"   "4270535"  <br>"4299226"   "4309994"   "4336036"   "4352354"  <br>"4354495"   "4364394"   "4384186"   "4385631"  <br>"4390383"   "4392848"   "4398910"   "4403983"  <br>"4403985"   "4404159"   "4405313"   "4406656"  <br>"4419095"   "4425177"   "4451252"   "4484585"  <br>"4493696"   "4496353"   "4543087"   "4545390"  <br>"4551292"   "4568329"   "4573966"   "4583968"  <br>"4619643"   "4623327"   "4643711"   "4661300"  <br>"4668221"   "4668225"   "4670009"   "4681564"  <br>"4682978"   "4692141"   "4701159"   "4714460"  <br>"4717379"   "4748984"   "4753640"   "4756303"  <br>"4762120"   "4763654"   "4769005"   "4772268"  <br>"4782834").PN. OR ("4790813"   "4795439"   "4801297"<br>  "4813429"   "4822345"   "4838881"   "4842582"  <br>"4867742"   "4894057"   "4898591"   "4934340"  <br>"4961809"   "4968307"   "4995865"   "5004455"  <br>"5007897"   "5009636"   "5015232"   "5019057"  <br>"5021044"   "5057073"   "5135599"   "5167623"  <br>"5195962"   "5207650"   "5221255"   "5221256"  <br>"5236417"   "5451206"   "5472417"   "D272651"  <br>"Re31873").PN. OR ("5797869").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/02/17<br>07:11 |
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|-----|------|--|---|----|----|---------------------|
| S79 | 53   | 264/249-260.ccls. and catheter and tip                                       | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/02/17<br>07:38 |
| S80 | 2    | 264/249-260.ccls. and catheter and tip and (multi near5 lumen)               | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/02/17<br>07:38 |
| S81 | 1500 | 604/96.01.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/17<br>07:58 |
| S82 | 43   | 604/96.01.ccls. and ((triple or multiple) with lumens) and taper\$3 with tip | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/17<br>07:59 |
| S83 | 783  | 156/175.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/17<br>08:01 |
| S84 | 668  | 604/43.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/17<br>08:02 |
| S85 | 82   | 604/43.ccls. and (multi\$4 with lumens) and tape\$3 same tip                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/17<br>08:03 |

|     |     |  |                           |    |    |                     |
|-----|-----|--|---------------------------|----|----|---------------------|
| S86 | 210 | ("0256590"   "0550238"   "0701075"   "1060665"  <br>"1596754"   "1696018"   "1922084"   "2173527"  <br>"2175726"   "2230218"   "2409343"   "2473742"  <br>"2561569"   "2564977"   "2590895"   "2819718"  <br>"2936761"   "3042045"   "3055361"   "3064653"  <br>"3174890"   "3319628"   "3322590"   "3324854"  <br>"3331371"   "3359974"   "3370587"   "3394705"  <br>"3411506"   "3430631"   "3437088"   "3448739"  <br>"3452756"   "3467180"   "3469579"   "3528869"  <br>"3593713"   "3625793"   "3634924"   "3720210"  <br>"3726281"   "3746003"   "3746033"   "3752510"  <br>"3771527"   "3804097"   "3805794"   "3817389"  <br>"3848602"   "3885567"   "3888249"   "3976529"  <br>"3983203"   "3995623"   "4000739"   "4003665"  <br>"4004588"   "4014333"   "4016879"   "4027668"  <br>"4037599"   "4050667"   "4057065"   "4063980"  <br>"4072146"   "4072153"   "4098275"   "4099528"  <br>"4100246"   "4134402"   "4168703"   "4171943"  <br>"4178936"   "4180068"   "4180076"   "4198984"  <br>"4202332"   "4203436"   "4210479"   "4214593"  <br>"4217895"   "4248224"   "4251305"   "4268338"  <br>"4270535"   "4291691"   "4299226"   "4309994"  <br>"4323065"   "4336036"   "4352354"   "4354495"  <br>"4364394"   "4384186"   "4385631"   "4390383"  <br>"4392848"   "4398910"   "4403983"   "4403985"  <br>"4404159"   "4405313"   "4406656"   "4419095"  <br>"4425177"   "4451252"   "4484585"   "4493696"  <br>"4496353"   "4543087"   "4545390"   "4551292"  <br>"4563181"   "4568329"   "4573966"   "4583968"  <br>"4596564"   "4619643"   "4623327"   "4630609"  <br>"4643711"   "4661300"   "4668221"   "4668225"  <br>"4670009").PN. OR ("4681564"   "4682978"   "4692141"<br>  "4701159"   "4714460"   "4717379"   "4748984"  <br>"4753640"   "4756303"   "4762120"   "4763654"  <br>"4769005"   "4772268"   "4782834"   "4790813"  <br>"4795439"   "4801297"   "4813429"   "4822345"  <br>"4838881"   "4842582"   "4867742"   "4894057"  <br>"4898591"   "4934340"   "4961809"   "4968307"  <br>"4995865"   "5004455"   "5007897"   "5009636"  <br>"5015232"   "5019057"   "5021044"   "5057073" | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/02/17<br>08:06 |
|-----|-----|--|---------------------------|----|----|---------------------|

|     |     |  |                           |    |    |                     |
|-----|-----|--|---------------------------|----|----|---------------------|
|     |     | "5135599"   "5167623"   "5195962"   "5207650"  <br>"5221255"   "5221256"   "5236417"   "5451206"  <br>"5472417"   "5797869"   "6206849"   "D272651"  <br>"RE31873").PN. OR ("7229429").URPN.   |                           |    |    |                     |
| S87 | 112 | 600/115.ccls.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/02/17<br>08:12 |
| S88 | 36  | ("1741740"   "3605725"   "4326530"   "4586923"  <br>"4643187"   "4685457"   "4753223"   "5013312"  <br>"5024617"   "5035696"   "5090956"   "5201732"  <br>"5273026"   "5273535"   "5318525"   "5334168"  <br>"5383852"   "5398670"   "5431168"   "5441483"  <br>"5484407").PN. OR ("5810807").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/02/17<br>08:24 |
| S89 | 8   | ("20020072745"   "4809710"   "5339799"   "5810807"  <br>"6113490"   "6533782"   "6676659"   "6692490").PN. OR<br>("7056319").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/02/17<br>08:27 |
| S90 | 32  | ("20020052638"   "4033331"   "4641654"   "4838269"  <br>"5061273"   "5358509"   "5366464"   "5397302"  <br>"5398687"   "5536248"   "5599299"   "5599300"  <br>"5599324"   "5628761"   "5697948"   "5766191"  <br>"5788681"   "5800444"   "5843028"   "5843091"  <br>"5868698"   "5921971"   "6007522"   "6017340"  <br>"6106487"   "6129697"   "6152910"   "6176843"  <br>"6228052"   "6248092").PN. OR ("6533782").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/02/17<br>08:29 |
| S91 | 70  | ("4696668"   "4748982"   "4781677"   "4905667"  <br>"4917103"   "4927418"   "4928693"   "4988356"  <br>"5040548"   "5061273"   "5135535"   "5147377"  <br>"5167634"   "5195978"   "5205822"   "5232445"  <br>"5279562"   "5282479"   "5290232"   "5290241"  <br>"5300085"   "5306247"   "5308318"   "5324269"  <br>"5334143"   "5334187"   "5350395"   "5397302"  <br>"5451233"   "5496346"   "5501227"   "5536248"  <br>"5540236"   "5599299"   "5599300"   "5626600"  <br>"5706827"   "5788681"   "5843028"   "5849016"  <br>"B14762129").PN. OR ("6007522").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/02/17<br>08:32 |

|     |     |   |   |    |    |                     |
|-----|-----|---|---|----|----|---------------------|
| S92 | 637 | catheter and ((triple or multiple) with lumens) and taper \$3 with tip  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/17<br>08:38 |
| S93 | 50  | catheter and ((triple or multiple) with lumens) same taper \$3 with tip   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/17<br>08:38 |
| S94 | 45  | ("3434775"   "3807390"   "3847483"   "4487475"  <br>"4647149"   "4648892"   "4695276"   "4718423"  <br>"4759378"   "4776340"   "4788967"   "4790295"  <br>"4795434"   "4796604"   "4813400"   "4830013"  <br>"4871229"   "4911148"   "5047627"   "5048524"  <br>"5263928"   "5263952"   "5280786"   "5315995"  <br>"5443057"   "5456680"   "5466234"   "5470330"  <br>"5542924"   "5601087"   "5665051"   "5673694"  <br>"5702368"   "5788647"   "5807261"   "5902247"  <br>"5995208"   "6033398"   "6196966"   "6210362"  <br>"6251128"   "6352531"   "6374476"   "6520934").PN. OR<br>("6999809").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/02/17<br>08:42 |
| S95 | 45  | ("3434775"   "3807390"   "3847483"   "4487475"  <br>"4647149"   "4648892"   "4695276"   "4718423"  <br>"4759378"   "4776340"   "4788967"   "4790295"  <br>"4795434"   "4796604"   "4813400"   "4830013"  <br>"4871229"   "4911148"   "5047627"   "5048524"  <br>"5263928"   "5263952"   "5280786"   "5315995"  <br>"5443057"   "5456680"   "5466234"   "5470330"  <br>"5542924"   "5601087"   "5665051"   "5673694"  <br>"5702368"   "5788647"   "5807261"   "5902247"  <br>"5995208"   "6033398"   "6196966"   "6210362"  <br>"6251128"   "6352531"   "6374476"   "6520934").PN. OR<br>("6999809").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/02/17<br>08:49 |



|      |      |  |   |    |     |                     |
|------|------|--|---|----|-----|---------------------|
| S96  | 10   | ((("6648911") or ("6554856") or ("6112109") or ("20020103527") or ("20060036311")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/17<br>10:59 |
| S97  | 3484 | catheter and (((tip or distal) with taper with lenght with millimeter or mm)) and ((multiple with lumen) or (multi with lumen))                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/06<br>22:37 |
| S98  | 3484 | catheter and (((tip or distal) with taper\$3 with lenght with millimeter or mm)) and ((multiple with lumen) or (multi with lumen))                                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/06<br>22:38 |
| S99  | 0    | catheter and ((tip or distal) with taper\$3 with lenght with ((millimeter or mm) (inches or in))) and ((multiple with lumen) or (multi with lumen))                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/06<br>22:39 |
| S100 | 0    | catheter and (tip or distal) same taper\$3 same (lenght with (millimeter or mm or inches or in)) and ((multiple with lumen) or (multi with lumen))                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/06<br>22:41 |
| S101 | 0    | catheter and (tip or distal) same (tapered tapering taper) same (lenght with (millimeter or mm or inches or in)) and ((multiple with lumen) or (multi with lumen)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/06<br>22:41 |

|      |        |   |   |    |    |                     |
|------|--------|---|---|----|----|---------------------|
| S102 | 201455 | "623"/\$.ccls. or "623"/\$.ccls. or "604"/\$.ccls. or "600"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>22:42 |
| S103 | 2245   | S102 and S98  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>22:42 |
| S104 | 1888   | S103 and wire   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>22:43 |
| S105 | 1888   | S103 and wire   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>22:44 |
| S106 | 45     | ("3434775"   "3807390"   "3847483"   "4487475"  <br>"4647149"   "4648892"   "4695276"   "4718423"  <br>"4759378"   "4776340"   "4788967"   "4790295"  <br>"4795434"   "4796604"   "4813400"   "4830013"  <br>"4871229"   "4911148"   "5047627"   "5048524"  <br>"5263928"   "5263952"   "5280786"   "5315995"  <br>"5443057"   "5456680"   "5466234"   "5470330"  <br>"5542924"   "5601087"   "5665051"   "5673694"  <br>"5702368"   "5788647"   "5807261"   "5902247"  <br>"5995208"   "6033398"   "6196966"   "6210362"  <br>"6251128"   "6352531"   "6374476"   "6520934").PN. OR<br>("6999809").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/11/07<br>00:06 |

|      |     |  |   |    |    |                     |
|------|-----|--|---|----|----|---------------------|
| S107 | 0   | catheter and ((tip or distal) with taper\$3 with lenght with (millimeter or mm or inches or in)) and ((multiple with lumen) or (multi with lumen)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/07<br>04:46 |
| S108 | 529 | catheter and center same lumen same distance   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>10:22 |
| S109 | 34  | catheter and center same lumen same distance same "cross-section"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>10:23 |
| S110 | 83  | catheter and holes same (spaced with apart) same center  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>10:39 |
| S111 | 19  | catheter and holes with (spaced with apart) with center  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>10:39 |
| S112 | 19  | catheter and (holes with (spaced with apart) with center)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>11:07 |

|      |       |  |   |    |     |                     |
|------|-------|--|---|----|-----|---------------------|
| S113 | 41    | catheter and ((holes lumens) with (spaced with apart) with center) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/05<br>11:09 |
| S114 | 22    | S113 not S112  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/05<br>11:09 |
| S115 | 20541 | (Kevin truong).xp.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/05<br>13:00 |
| S116 | 174   | (Kevin with truong).xp. and needle                                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/05<br>13:00 |
| S117 | 2     | ("7029467").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/22<br>09:01 |

|      |      |   |   |    |    |                     |
|------|------|---|---|----|----|---------------------|
| S118 | 47   | ("3434775"   "3807390"   "3847483"   "4487475"  <br>"4647149"   "4648892"   "4695276"   "4718423"  <br>"4759378"   "4776340"   "4788967"   "4790295"  <br>"4795434"   "4796604"   "4813400"   "4830013"  <br>"4871229"   "4911148"   "4921483"   "5047627"  <br>"5048524"   "5263928"   "5263952"   "5280786"  <br>"5315995"   "5443057"   "5456680"   "5466234"  <br>"5470330"   "5542924"   "5566680"   "5601087"  <br>"5665051"   "5673694"   "5702368"   "5788647"  <br>"5807261"   "5902247"   "5995208"   "6033398"  <br>"6196966"   "6210362"   "6352531"   "6374476"  <br>"6520934").PN. OR ("7029467").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/08/22<br>09:13 |
| S119 | 2843 | 604/525,264.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/22<br>09:20 |
| S120 | 845  | central near10 venous with catheter and ((guide near2<br>wire) (guidewire))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/22<br>09:21 |
| S121 | 42   | S120 and S119   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/22<br>09:21 |
| S122 | 39   | S120 and S119 and diameter  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/22<br>09:21 |

|      |      |   |   |    |    |                     |
|------|------|---|---|----|----|---------------------|
| S123 | 38   | S120 and S119 and diameter and (inches in mm millimeters)                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/22<br>09:33 |
| S124 | 31   | S120 and S119 and diameter and (inches mm millimeters)                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/22<br>09:33 |
| S132 | 29   | ((STEVEN) near2 (JACQUES)).INV.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/08/23<br>08:38 |
| S133 | 3800 | 606/41.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/23<br>09:36 |
| S134 | 519  | S133 and taper  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/23<br>09:48 |
| S135 | 309  | S133 and taper and cut\$3 and lumens  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/23<br>09:48 |
| S136 | 72   | ("0669910"   "2930377"   "3448739"   "3634924").PN.<br>OR ("3746003").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/08/23<br>10:12 |

|      |      |  |                           |    |    |                     |
|------|------|--|---------------------------|----|----|---------------------|
| S137 | 23   | ("20010001812"   "20030032973"   "3746003"   "3833004"   "3995623"   "5009659"   "5112305"   "5242397"   "5308325"   "5329942"   "5395331"   "5423745"   "5439444"   "5484412"   "5487730"   "5527292"   "5569195"   "5599306"   "5620418"   "5704913"   "5807326"   "6562062").PN. OR ("7008438").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/08/23<br>10:33 |
| S138 | 219  | ("1049087"   "1060665"   "1190179"   "1282881"   "1289106"   "2164926"   "2538215"   "2669233"   "2701559"   "2927584"   "2983512"   "3635223"   "3678959"   "3726269"   "3766924"   "3813729"   "3815608"   "3859985"   "3970090"   "4154227"   "4210478"   "4249923"   "4284073"   "4290428"   "4351341"   "4397335"   "4413989"   "4416280"   "4427009"   "4433971"   "4447590"   "4459977"   "4465072"   "4493697"   "4512163"   "4512762"   "4529397"   "4531935"   "4531936"   "4535757"   "4566480"   "4568330"   "4610661"   "4648384"   "4668215"   "4689041"   "4714460"   "4721109"   "4753637"   "4762130"   "4784638"   "4804358"   "4850969"   "4927412"   "4931330"   "4957485"   "5021045"   "5024668"   "5041093"   "5158545"   "5173346"   "5180368"   "5197952"   "5295994").PN. OR ("5423745").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/08/23<br>10:36 |
| S139 | 3454 | 606/108,181,185.ccls.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/08/24<br>08:38 |
| S140 | 319  | S139 and (lumen) and guidewire and (taper\$3 same (tip distal))  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/08/24<br>08:39 |
| S141 | 39   | ("3050066"   "3459175"   "3774596"   "4141364"   "4261339"   "4276874"   "4346698"   "4406656"   "4576142"   "4655745"   "4681092"   "4762130"   "4771776"   "4820349"   "4941877"   "4952357"   "5087246"   "5147302"   "5350361"   "5456666"   "5458572"   "5672169"   "5759172"   "5792172"   "5836965").PN. OR ("6296655").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/08/24<br>08:44 |

8/ 26/ 2009 1:53:38 PM

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